

RAW SEQUENCE LISTING

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Application Serial Number: 10/595, 495
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PATENT APPLICATION: US/10/595,495

DATE: 05/09/2006

TIME: 09:59:40

Input Set : A:\sequence.txt

Output Set: N:\CRF4\05092006\J595495.raw

3 <110> APPLICANT: Mermod, Nicolas
 4 Puttini, Stefania
 5 Saugy, Damien
 6 Girod, Pierre Alain
 7 Bucher, Philipp
 8 Nguyen, Duc-Quang
 9 Calabrese, David

11 <120> TITLE OF INVENTION: HIGH EFFICIENCY GENE TRANSFER AND EXPRESSION IN MAMMALIAN
 CELLS

12 BY A MULTIPLE TRANSFECTION PROCEDURE OF MAR SEQUENCES

14 <130> FILE REFERENCE: 3024-119

16 <140> CURRENT APPLICATION NUMBER: 10/595,495

17 <141> CURRENT FILING DATE: 2006-04-24

19 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/011974

20 <151> PRIOR FILING DATE: 2004-10-22

22 <150> PRIOR APPLICATION NUMBER: EP04002722.9

23 <151> PRIOR FILING DATE: 2004-02-06

25 <150> PRIOR APPLICATION NUMBER: US60/513,574

26 <151> PRIOR FILING DATE: 2003-10-24

28 <160> NUMBER OF SEQ ID NOS: 241

30 <170> SOFTWARE: PatentIn version 3.3

32 <210> SEQ ID NO: 1

33 <211> LENGTH: 320

34 <212> TYPE: DNA

35 <213> ORGANISM: Homo sapiens

38 <220> FEATURE:

39 <221> NAME/KEY: misc_binding

40 <222> LOCATION: (1)..(320)

41 <223> OTHER INFORMATION: MAR of human chromosome 1, nt from 36686 to 37008

43 <220> FEATURE:

44 <221> NAME/KEY: misc_binding

45 <222> LOCATION: (1)..(320)

46 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 36686 to 37008

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51 atataataat attatattat atattatata ttatattata taatataataa taatattata 120

53 taattatata ttacattata taatataataa taatattata taattatata ttacattata 180

55 taatataataa taatattata taataatata taattatata atatataata atattatata 240

57 atattatata atattatata atatataaaat atataataat atatattata ttatataata 300

59 gtatataata ttatataata 320

62 <210> SEQ ID NO: 2

63 <211> LENGTH: 709

64 <212> TYPE: DNA

65 <213> ORGANISM: Homo sapiens

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69 <221> NAME/KEY: misc_binding
70 <222> LOCATION: (1)..(709)
71 <223> OTHER INFORMATION: MAR of human chromosome 1, nt from 142276 to 142984
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74 <221> NAME/KEY: misc_binding
75 <222> LOCATION: (1)..(709)
76 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 142276 to 142984
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81 ttatataataa tatattttgt atttatataa ttacaatata ttttgttatta tataatataat 120
83 aatacaatata ataataatatt gtatttatata ttatataata caatataatata tataattgtat 180
85 tataatattat atataaatact atataatata ttgttattata tattatataat aataactataat 240
87 aataatattttt atttatataat atatataataa caatataataa tatattgtat tataataacaa 300
89 tgtattataa tgtattatata ttgttattata atttatataa atacaatata taataatataa 360
91 ttataatata taataataat ataataataat aataatataat attgttattat atattatataa 420
93 atacaatata taatataattt gtttattata attttattac atataatata taatacatta 480
95 tataatataat tttgttattat atataatataa ttttattatg tattatataat aatataatttt 540
97 atttatataat atatataataa caatataataa tatattttgt attgttataa atatataataa 600
99 caatataataa tatattgtat tataatataat attaataatata tttgttattat atattatataat 660
101 ttttatattat aattatgttt tgcattataat atttcattat atatataacc 709
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105 <211> LENGTH: 409
106 <212> TYPE: DNA
107 <213> ORGANISM: Homo sapiens
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111 <221> NAME/KEY: misc_binding
112 <222> LOCATION: (1)..(409)
113 <223> OTHER INFORMATION: MAR of human chromosome 1, nt from 1368659 to 1369067
115 <220> FEATURE:
116 <221> NAME/KEY: misc_binding
117 <222> LOCATION: (1)..(409)
118 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 1368659 to
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125 atgcataaac attatgtata tatacataaaa tacatatgca tatacattat gtatataaac 180
127 ataaatacat atgcataaac attatgtata tatacataaaa tacatatgca tatacattat 240
129 gtatataaac ataaatacat atgcataataat tatacataata aattatataa tatacataat 300
131 acatatacat atattatgtg tataatataca taaatacata tacatataattt atgtgtat 360
133 atacatgata catatacata tattatgtat atatacat aaatacata 409
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137 <211> LENGTH: 394
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139 <213> ORGANISM: Homo sapiens
142 <220> FEATURE:
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144 <222> LOCATION: (1)..(394)
145 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 2839089 to
2839482

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 150 tatacacaca tatgtatata cgttatatgt tatatacaca cacatgtata 120
 152 tatgtatata tacacacata tgttatatacg tatatatgttata catatgtata 180
 154 tatgtatata tacacacata tgttatatacg tatatatgttata catgtgtata 240
 156 tatatacaca catatgtata tatgtatatac tacacacata tgttatatgttata 300
 158 tatacacaca tatgtatata tacacatata tatgtatatac tacacacata ctatata 360
 160 cacatatacata tgttatatac catatgtata taca 394

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 164 <211> LENGTH: 832
 165 <212> TYPE: DNA
 166 <213> ORGANISM: Homo sapiens
 169 <220> FEATURE:
 170 <221> NAME/KEY: misc_binding
 171 <222> LOCATION: (1)..(832)
 172 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 1452269 to 1453100

174 <400> SEQUENCE: 5
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 177 tactatatac attactatac atacaaaata tatattacta tatatacaat atacatatta 120
 179 ctatatac catatattac tatataatc tactatatac tactatatac atacaaaata 180
 181 tatattacta tatatactat atattactgt atatacaata tatattacta tatataat 240
 183 atatattact atatatacac tatataattac tatatacata caatataat attactata 300
 185 atacacaatg tatataacta tatatacaat atatattact atatatacta tatataattac 360
 187 tatacatact atatattact ctatatac aatataata ttacaatata tactacat 420
 189 tactacatac actttatata ttactatata tactatata tactgtatata acaatata 480
 191 ttactaaata tacacaat atattactat atatacaca tatataatatt actatata 540
 193 cacattatac atgactat atacacacta tatataattac tatatacata caatata 600
 195 ctatatac acagtataca tattactata tatacacaat atatatacta ctatata 660
 197 actatataatt actatatacata cacaatata attactctat gtatacacta tatataattac 720
 199 tatatacaca gaatataat aactatatac acactatatt actatatacata ctatata 780
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 205 <211> LENGTH: 350
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 207 <213> ORGANISM: Homo sapiens
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 212 <222> LOCATION: (1)..(350)
 213 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 831495 to 831844

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 218 attactatac aaataatatt aatataattat attaaaatat taataat atcatattaa 120
 220 atattatatt aatataatat taataatatt attatattat tatattata tattaaacct 180
 222 ataacatatg catatactta tttatatac acatgcgtt acttattat atatacaata 240
 224 tatatttata tattatataa tatattatatt gtatttata attatatac atatattata 300
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229 <210> SEQ ID NO: 7
 230 <211> LENGTH: 386
 231 <212> TYPE: DNA

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 235 <220> FEATURE:
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 237 <222> LOCATION: (1)..(386)
 238 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 1447225 to
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240 <400> SEQUENCE: 7
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 243 aatttatttt aatttaatta tatatactat atagttatat atacatatat gtaatttat 120
 245 atagtataat tatagtatat atgtatatat aatgtaagta aatataatagt atatatttat 180
 247 atatactata tatttataca tatgtctta tatatactaa tatatacata catatgtat 240
 249 atgtacatat ggcatatatt ttatagtgtat tatatacata tatgtatata atatagtaat 300
 251 atgtaaatat atagtacata tttaatttata tggtaatata tacacatata tgtaatatgt 360
 253 gtattatagt acatattttt tagtat 386

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 257 <211> LENGTH: 585
 258 <212> TYPE: DNA
 259 <213> ORGANISM: Homo sapiens
 262 <220> FEATURE:
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 264 <222> LOCATION: (1)..(585)
 265 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 4955365 to
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267 <400> SEQUENCE: 8
 268 atacacacat atacacatat gtacgtatat atactatata tacacacata tacacatatg 60
 270 tacgtatata tactatatac acacacatat acacatatgt acgttatatac actatata 120
 272 cacacatata cacatatgtat cgttatatac ctatatac acacatatac acatatgtac 180
 274 gtatatac acatatacata cacatataca catatgtacg tatatattat atatacacac 240
 276 atatacacat atgtacgtat atatactata tatacacaca tatacacata tgtacgtata 300
 278 tatactatac atacacacat atacacatat gtacgtatat atactatata tacacacata 360
 280 tacacatatg tacgtatata tactatatac acacacatat acacatatgt acgttatata 420
 282 acatatacata cacacatata cacatatgtat cgttatatac ctatatac acacatatac 480
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289 <210> SEQ ID NO: 9
 290 <211> LENGTH: 772
 291 <212> TYPE: DNA
 292 <213> ORGANISM: Homo sapiens
 295 <220> FEATURE:
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 297 <222> LOCATION: (1)..(772)
 298 <223> OTHER INFORMATION: MAR of human chromosome 1, genomic contig; 5971862 to
 5972633

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 303 tataatgtgc atatataatag tgttatata gtaaatatata agtgtatata tataatgtaa 120
 305 atatataatgt tataatgtat aaatataat agtaaatata tataatctat atatgtaaa 180
 307 tataatatac ctatataatgt taaatataatata tataatgtat atatgtaaa tataatata 240
 309 gtatataatgt agtaaatata tataatgtat atatataatgt aatataatata tagtatata 300
 311 agtaaatata tataatgtat atatgtaaa tataatatac gtatataatgt agtaaatata 360
 313 tataatgtat atatataatgt aatataatata tagtatatac atatgtaaa tataatgtat 420
 315 tataatgtat aatataatata gtatataatgt agtaaatata tataatgtat atatgtaaa 480

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317	tatataataca	ctgttatatat	atagtaaaata	tatatacact	gttatatatat	agtaaatata	540
319	tatacactgt	atatatatag	taaatatata	tacactgtat	atata>tagta	aatatataata	600
321	caactgtatat	acatagtaaa	tatataaca	ctgttatatac	atagtaaaa	tatatacact	660
323	gtatatacat	agtaaatata	tatacactgt	atatacatag	taaatatata	tacagtgtat	720
325	atacatagta	aatatataata	cagtgtatat	acatagtaaa	tatataaca	gt	772
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329	<211>	LENGTH:	304				
330	<212>	TYPE:	DNA				
331	<213>	ORGANISM:	Homo sapiens				
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335	<221>	NAME/KEY:	misc_binding				
336	<222>	LOCATION:	(1)..(304)				
337	<223>	OTHER INFORMATION:	MAR of human chromosome 1, genomic contig; 6221897 to				
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339	<400>	SEQUENCE:	10				
340	atataataata	tatataatta	tatttatata	aatataataat	atataataatt	atatttatata	60
342	ttatataataa	tatatttatat	atttatata	taatataata	tatataataa	atataatata	120
344	tatataataat	atataattata	tattaaatat	atatttatata	tataatataat	atttatata	180
346	atataatataa	tatattattat	atataatatta	tatattatata	atataatatta	tatataatata	240
348	atataatataa	tatattattat	atataatata	tatttatata	atataatata	tataatataat	300
350	atta						304
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354	<211>	LENGTH:	311				
355	<212>	TYPE:	DNA				
356	<213>	ORGANISM:	Homo sapiens				
359	<220>	FEATURE:					
360	<221>	NAME/KEY:	misc_binding				
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362	<223>	OTHER INFORMATION:	MAR of human chromosome 1, genomic contig; 9418531 to				
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367	tataaataatt	tatataattta	tatataaaata	tttataatatt	tatataataat	atttatacat	120
369	tatataataat	atttatataat	tataatataat	atttataatata	aatatttata	tatttatata	180
371	aatatttata	tatttatata	tataatataat	attttatata	tgtatgtata	atataatattt	240
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375	tataatttat	a					311
378	<210>	SEQ ID NO:	12				
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394	tatataattat	atataataat	atataataat	atataacata	tatattatata	atataaataat	180
396	atatttatata	tttataatata	taatataatata	aaatataataa	tatataatata	tatataataat	240
398	atatataaaat	atataatata	tatatttata	tataatataat	ataaaatataat	aatatataat	300

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